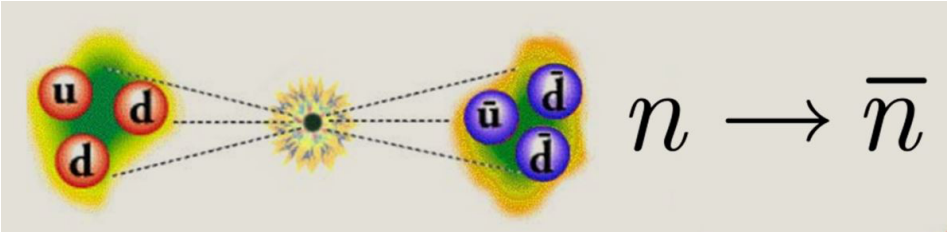

Contribution ID: **28** Type: **Oral Presentation**

Some Recent Results on Models with $n - \bar{n}$ Oscillations

Monday, August 3, 2020 10:30 AM (30 minutes)

We discuss models that can feature $n - \bar{n}$ oscillations at observable levels. These are extra-dimensional theories with Standard-Model fermions propagating in the extra dimensions. Interestingly, while proton decay can be suppressed well below experimental limits in these models, $n - \bar{n}$ oscillations can occur at levels comparable to current limits. Thus, in these theories, $n - \bar{n}$ oscillations and the associated $\Delta B = -2$ dinucleon decays can be the dominant manfestation of baryon-number violation. Analyses are given within the context of a Standard-Model effective field theory and a theory involving a left-right symmetry group.

Contribution Title

Some Recent Results on Models with $n - \bar{n}$ Oscillations

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